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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Yannick PEYSSON et al
Serial No.: 09/985,730
Filed: November 6, 2001
For: METHOD OF DETERMINING THE THERMAL
PROFILE OF A DRILLING FLUID IN A WELL
Art Unit: 2856
Examiner: Jay L. Politzer

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SUPPLEMENTAL RESPONSE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

October 27, 2003

Sir:

This response is supplemental to the Amendment of September 22, 2003.

With respect to the rejection of claim 19, submitted herewith is a publication of the Society of Petroleum Engineers, identified as IADC/SPE 62728, which was presented at the year 2000 IADC/SPE Asia Pacific Drilling Technology held in Kuala Lumpur, Malaysia, on September 11-13, 2000.

Pages 1 and 2, under the heading "Pressure and temperature model," describe a method of calculation of pressure drops of a drilling fluid circulating in a well under drilling. The pressure drops depend on the temperature profile in the mud. The Examiner is referred to equation 4, in column 1 of page 2, which expresses frictional pressure losses as a function of temperature. It is submitted that the enclosed publication is further evidence that a person of ordinary skill in the art

has sufficient information, based upon the teachings of the present application, to calculate pressure drops during drilling.

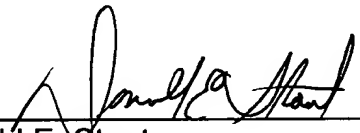
The enclosed publication is listed on a PTO/SB/08A form.

Favorable reconsideration of the rejection of the claims for the reasons set forth in the September 22, 2003 Amendment and as set forth above is respectfully requested. It is submitted that the claims are in condition for allowance.

To the extent necessary, Applicants petition for an extension of time under 37 C.F.R. §1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (612.40801X00) and please credit any excess fees to such Deposit Account.

Very truly yours,

Antonelli, Terry, Stout & Kraus, LLP



Donald E. Stout

Enclosures

DES:dlh